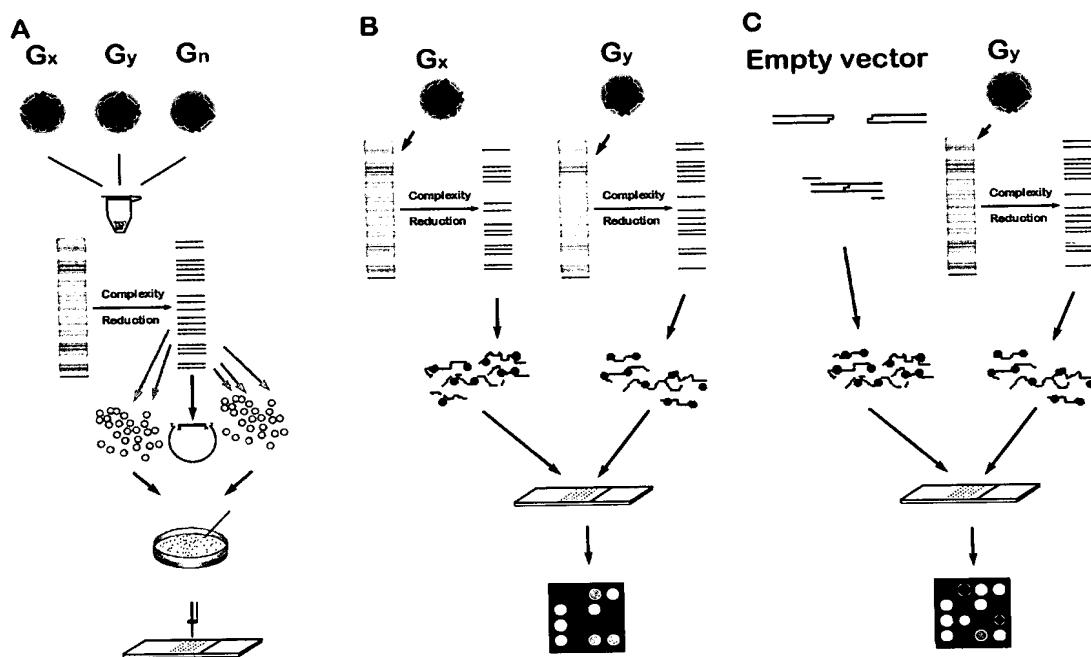
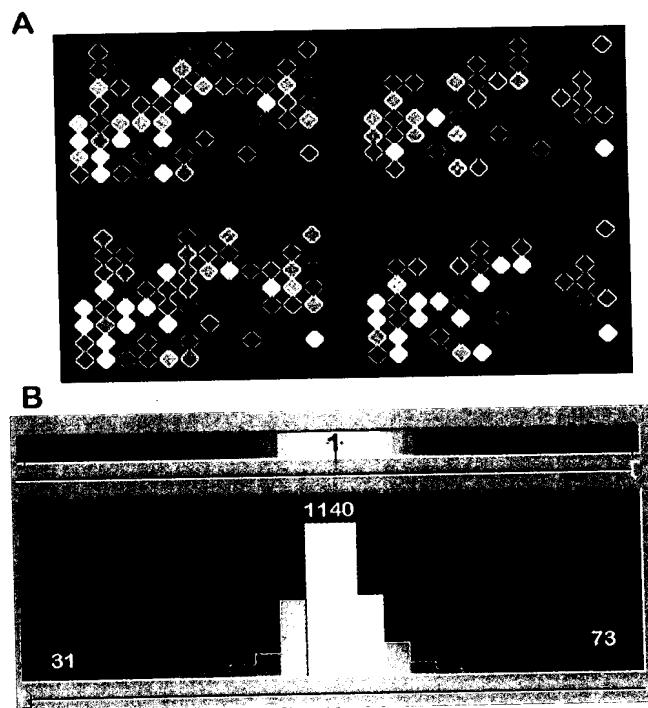


**FIGURE 1**



**FIGURE 2**



**FIGURE 3**

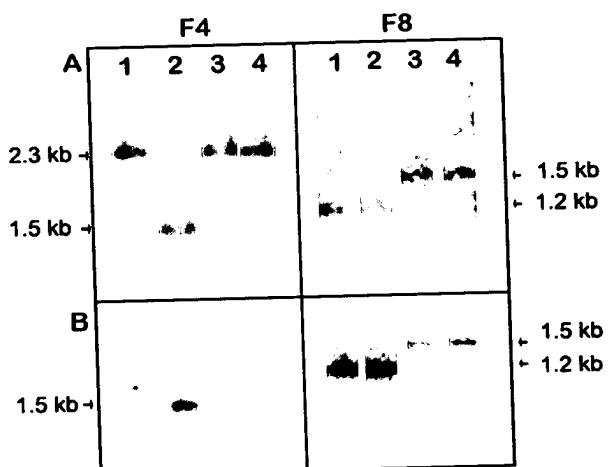


Figure 4



Title: METHODS FOR GENOTYPING BY HYBRIDIZATION ANALYSIS  
Inventor(s): ANDRZEJ KILIAN  
DOCCKET NO.: 076518/0140

FIGURE 5

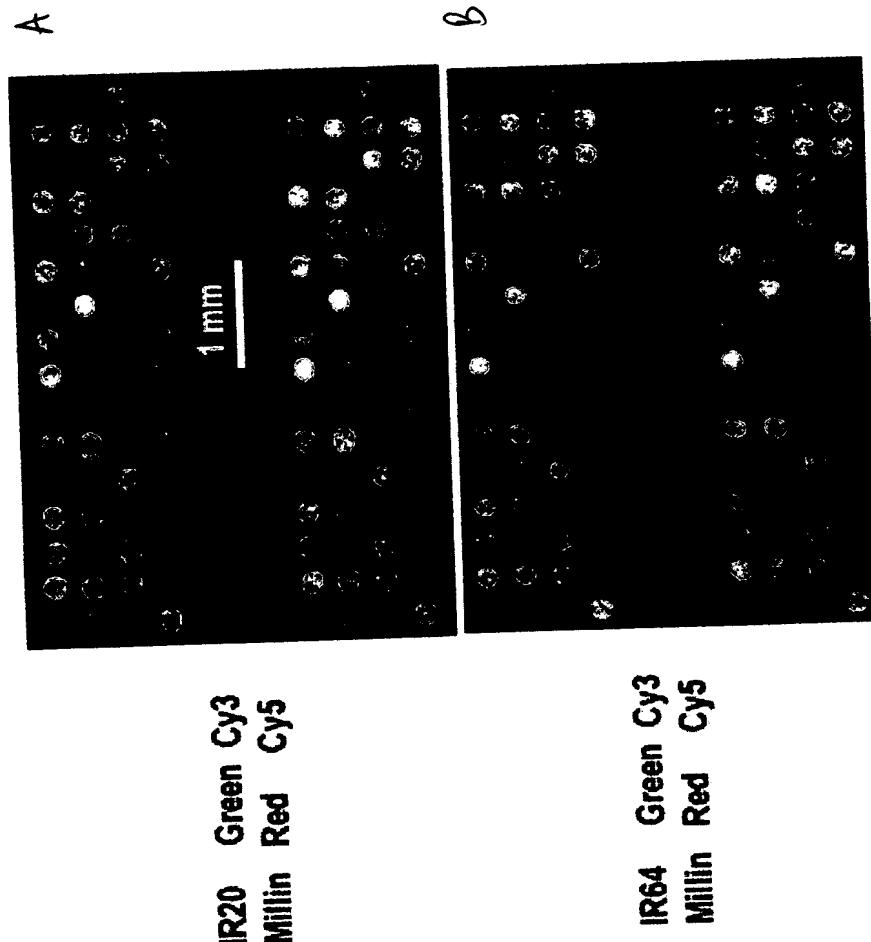
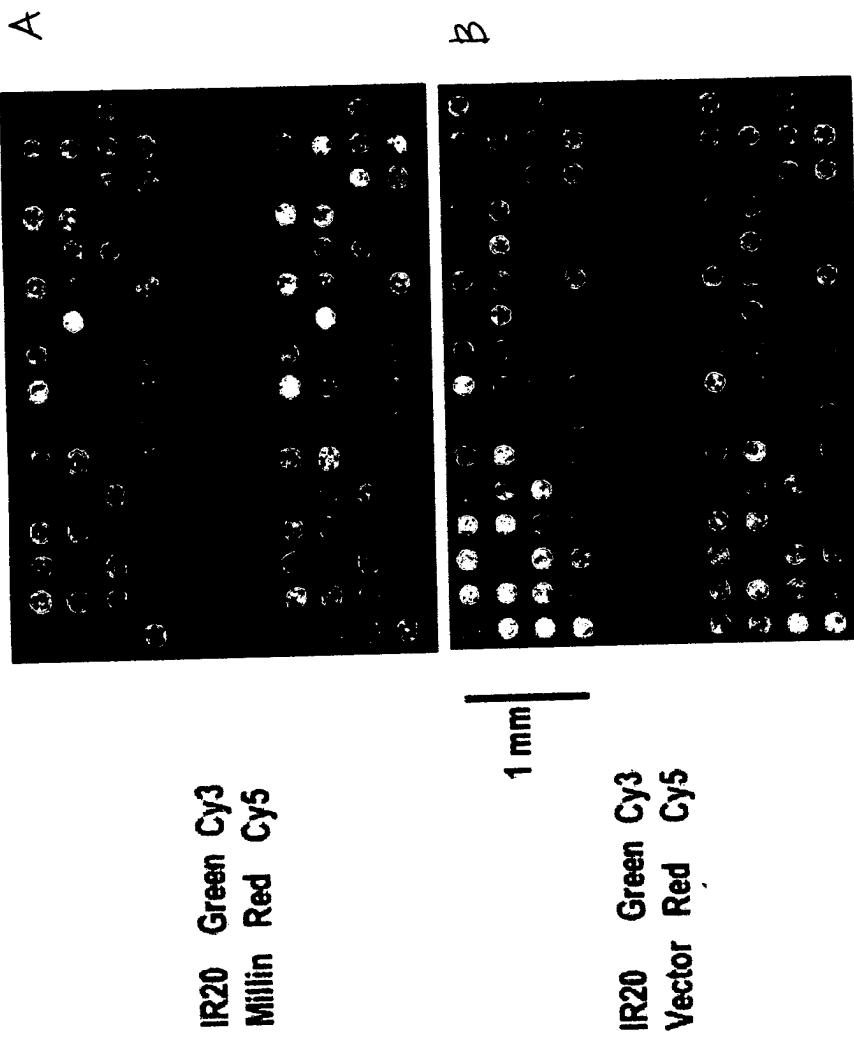
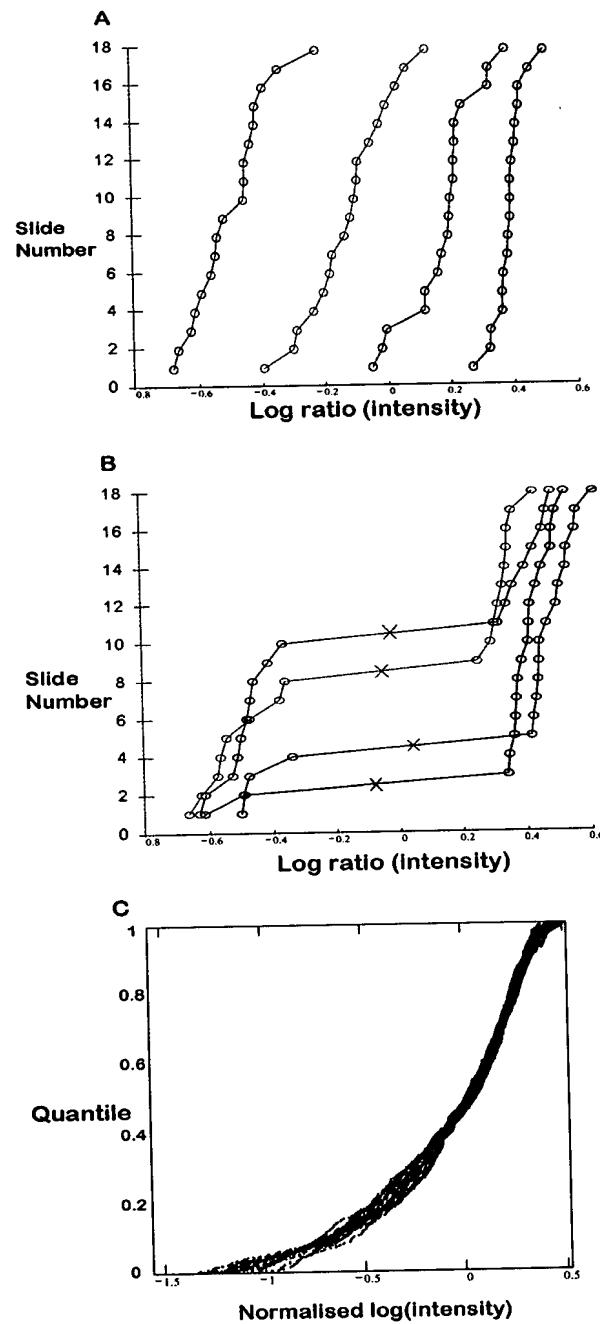


FIGURE 6

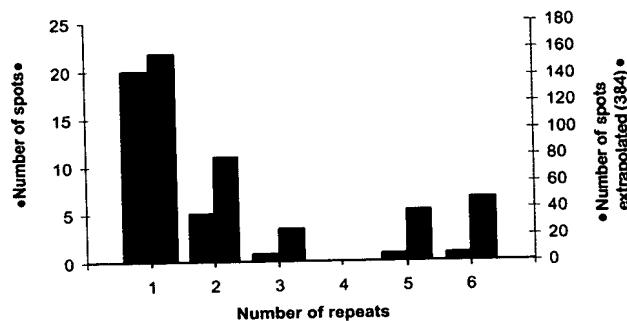


**FIGURE 7**

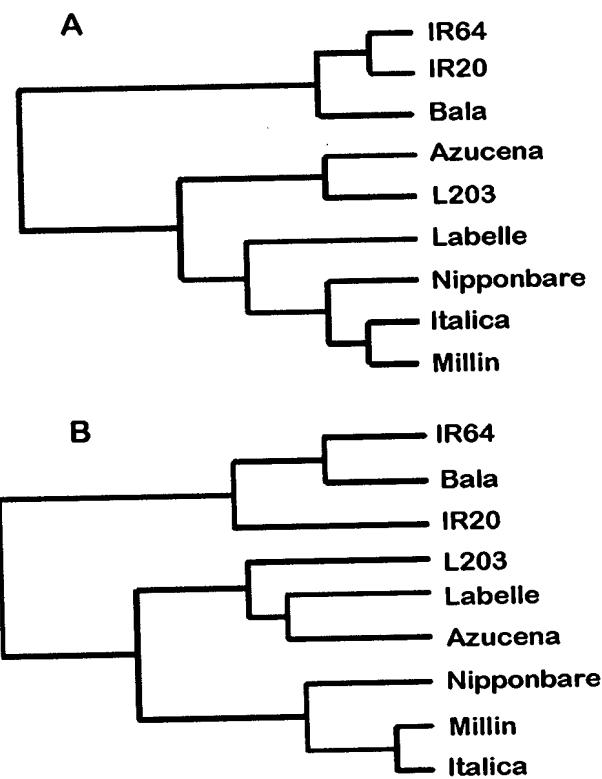


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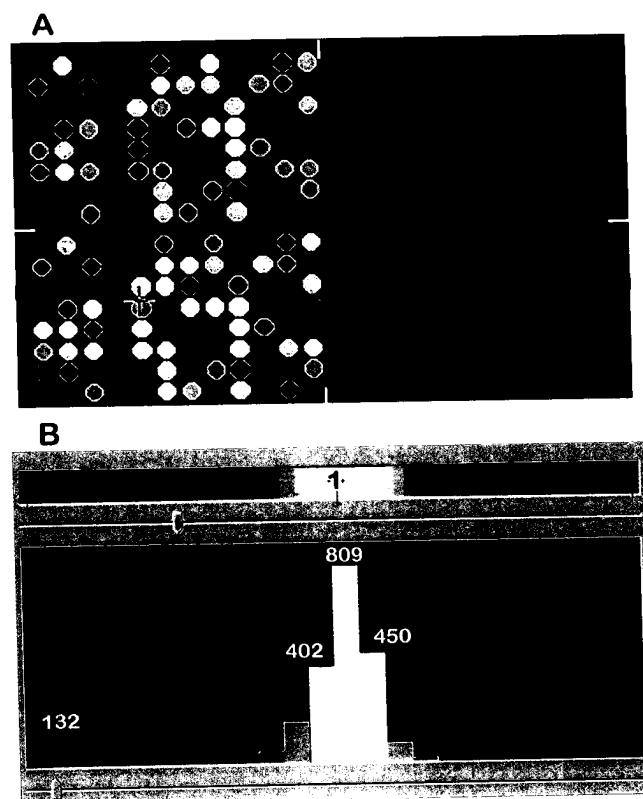
## FIGURE 8



**FIGURE 9**



**FIGURE 10**



Barley DArT polymorphism analysis between Steptoe and Morex  
cultivars



Morex Diversity Panel was labelled with Cy3 and Steptoe Diversity Panel with Cy5 dyes

Mouse DArTs using cDNA-based Diversity Array

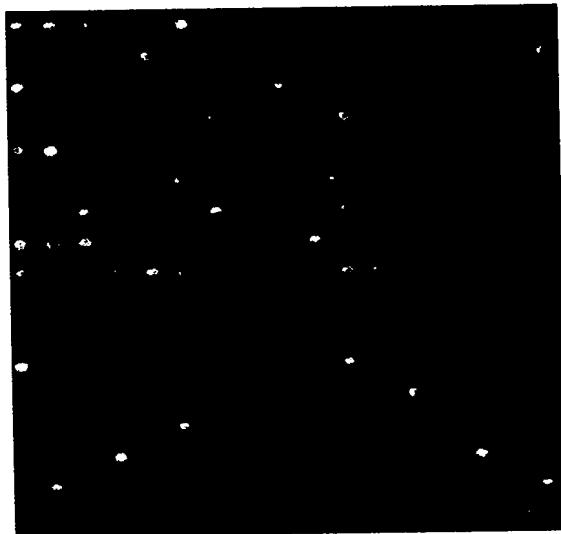
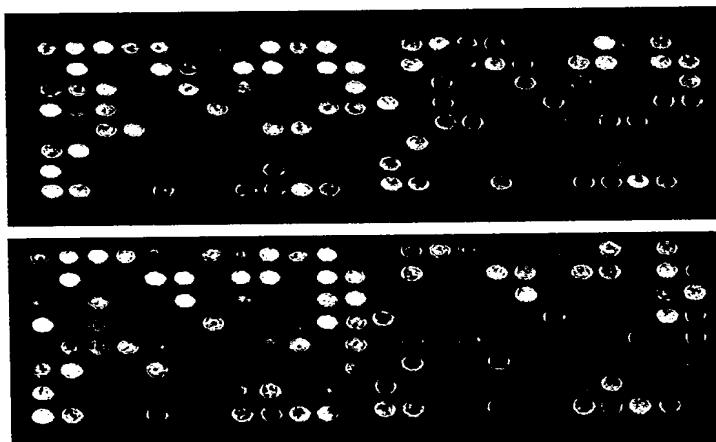


Figure 12

Methylation pattern differences among rice tissues typed using  
DArTs

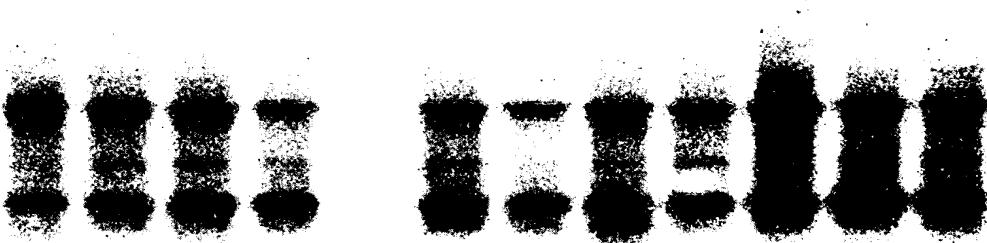


Red: callus  
Green: seedling root  
Yellow: callus + root

Red: callus  
Green: immature embryo  
Yellow: callus + embryo

## Amplicon Southern analysis

1    2    3    4    5    6    7    8    9    10    11    12



Rice Tissue	Log Intensity(Diversity Panel/TOPO)
1. Seedling leaves	0.51
2. Seedling root	0.64
3. Mature pollen and anther	0.58
4. immature pollen and anther	0.34
5. Fertilized ovary and stigma	-0.01
6. Unfertilized ovary and stigma	0.39
7. Mature embryo	0.37
8. Immature embryo	0.47
9. Immature endosperm	0.42
10. Flag leaves	0.51
11. Callus	0.60
12. DNA Mixture	0.63

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